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            RAW SEQUENCE LISTING              DATE: 07/05/2002
            PATENT APPLICATION:  US/09/915,060A    TIME: 14:28:07

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            Output Set: N:\CRF3\07052002\I915060A.raw

    3  <110> APPLICANT: Vlaams Interuniversitair Instituut voor Biotechnol
    5  <120> TITLE OF INVENTION: Novel internal ribosome entry site, vector containing same
and the uses
    6        thereof
    8  <130> FILE REFERENCE: 2676-4976US
   10  <140> CURRENT APPLICATION NUMBER: US 09/915,060A
   11  <141> CURRENT FILING DATE: 2001-07-25
   13  <150> PRIOR APPLICATION NUMBER: PCT/EP00/00643
   14  <151> PRIOR FILING DATE: 2000-01-26
   16  <160> NUMBER OF SEQ ID NOS: 45
   18  <170> SOFTWARE: PatentIn version 3.1
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   30  gaagaatcag aggaggaaga ggaagaggag gaggaggaga ccggcagcaa ctctgaggag   180
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   44  gaagaaucag aggaggaaga ggaagaggag gaggaggaga ccggcagcaa cucugaggag   180
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   56  ccggcggcgg cggcggcggc acgggcggcg gcgtagggtg ttttaactca aatgggtgat   120
   58  gaaaaggact cttggaaagt gaaaacttta gatgaaattc ttcaggaaaa gaaacgaagg   180
   60  aaggaacaag aggagaaagc agagataaaa cgcttaaaaa attctgatga ccgggattcc   240
   62  aagcgggatt cccttgagga gggggagctg agagatcact gcatggagat cacaataagg   300
   64  aactccccgt atagaagaga agactctatg gaagacagag gagaagaaga tgattctttg   360
   66  gccatcaaac caccccagca aatgtctcgg aaagaaaaag ttcatcacag aaaagatgaa   420
   68  aagagaaaag agaaaaagca tgctagagtg aagaagaaag aaagagagca cgaacgtcgg   480
   70  aaacgacatc gagaagaaca ggataaagct cgccgggaat gggaaagaca gaagagaagg   540
   72  gaaatggcaa gggagcattc caggagagaa agggggaatg atggcgtgtg cctcttcagg   600
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 78 gaggcccgca gggaagtgtc tgcacatcac cgaacgatga gagaggacta cagcgacaaa    780
 80 gtgaaagcca gccactggag tcgcagcccg cctcggccgc cgcgggagcg gttcgagttg    840
 82 ggagacggcc ggaagccagt aaaagaagag aaaatggaag aaagggacct gctgtccgac    900
 84 ttacaggaca tcagcgacag cgagaggaag accagctcgg ccgagtcctc gtcagcagaa    960
 86 tcaggctcag gttctgagga agaagaggag gaggaggaag aggaggagga ggaagggagc   1020
 88 accagtgaag aatcagagga ggaagaggaa gaggaggagg aggagaccgg cagcaactct   1080
 90 gaggaggcat cagagcagtc tgccgaagaa gtaagtgagg aagaaatgag tgaagatgaa   1140
 92 gaacgagaaa atgaaaacca cctcttggtt gttccagagt cacggttcga ccgagattcc   1200
 94 ggggagagtg aagaagcaga ggaagaagtg ggtgagggaa cgccgcagag cagcgccctg   1260
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102 gaaattgtgg ctctaaagcg gctgaagatg gagaaggaga aggagggctt cccgatcacg   1500
104 tcgctgaggg agatcaacac catcctcaag gcccagcatc ccaacatcgt caccgttaga   1560
106 gagattgtgg tgggcagcaa catggacaag atctacatcg tgatgaacta tgtggagcac   1620
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118 tggtcagtgg gttgcatctt cggggagctg ctgactcaga gcctctgtt ccccgggaag   1980
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126 aagttcctga cctacttccc cgggaggagg atcagcgctg aggacggcct caagcatgag   2220
128 tatttccgcg agacccccct ccccatcgac ccctccatgt tccccacgtg gcccgccaag   2280
130 agcgagcagc agcgtgtgaa gcggggcacc agcccgaggc ccctgagggg aggcctgggc   2340
132 tacagccagc tgggtgacga cgacctgaag gagacgggct ccaccttac caccacgaac   2400
134 caggggggcct ctgccgcggg ccccggcttc agcctcaagt tctgaaggtc agagtggacc   2460
136 ccgtcatggg g                                                         2471
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140 <211> LENGTH: 30
141 <212> TYPE: DNA
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150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 5
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155 cagaagagaa gggaaatggc aagggagcat tccaggagag aaagggggaa tgatggcgtg    120
157 tgcctcttca gggaccgctt ggagcagtta gaaaggaagc gggagcggga gcgcaagatg    180
159 cgggagcagc agaaggagca gcgggagcag aaggagcgcg agcggcgggc ggaggagcgg    240
161 cgcaaggagc gggaggcccg cagggaagtg tctgcacatc accgaacgat gagagaggac    300
163 tacagcgaca aagtgaaagc cagccactgg agtcgcagcc cgcctcggcc gccgcgggag    360
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165 cggttcgagt tgggagacgg ccggaagcca gtaaaagaag agaaaatgga agaaagggac    420
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177 cagaagagaa gggaaatggc aagggagcat tccaggagag aaagggggaa tgatggcgtg     120
179 tgcctcttca gggaccgctt ggagcagtta gaaaggaagc gggagcggga gcgcaagatg     180
181 cgggagcagc agaaggagca gcgggagcag aaggagcgcg agcggcgggc ggaggagcgg     240
183 cgcaaggagc gggaggcccg cagggaagtg tctgcacatc accgaacgat gagagaggac     300
185 tacagcgaca aagtgaaagc cagccactgg agtcgcagcc cgcctcggcc gccgcgggag     360
187 cggttcgagt tgggagacgg ccggaagcca gtaaaagaag agaaaatgga agaaagggac     420
189 ctgctgtccg acttacagga catcagcgac agcgagagga agaccagctc ggccgagtcc     480
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193 gaggaaggga gcaccagtga agaatcagag gaggaagagg aagaggagga ggaggagacc     600
195 ggcagcaact ctgaggaggc atcagagcag tctgccgaag aagtaagtga ggaagaaatg     660
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205 gaggaagagg aagaggagga ggaggag                                        87
207 <210> SEQ ID NO: 8
208 <211> LENGTH: 30
209 <212> TYPE: DNA
C--> 210 <213> ORGANISM: Artificial
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <223> OTHER INFORMATION: Artificial Sequence: mutation primer in frame NotI
216 <400> SEQUENCE: 8
217 agcctcaagt tcgcggccgc agagtggacc                                     30
219 <210> SEQ ID NO: 9
220 <211> LENGTH: 21
221 <212> TYPE: DNA
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224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
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228 <400> SEQUENCE: 9
229 gaggaagaag cgagtgaaga t                                              21
231 <210> SEQ ID NO: 10
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233 <212> TYPE: DNA
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250 <223> OTHER INFORMATION: Artificial Sequence: 5'-end primer
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281 <211> LENGTH: 35
282 <212> TYPE: DNA
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286 <221> NAME/KEY: misc_feature
287 <223> OTHER INFORMATION: Artificial Sequence: 3'-end primer
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292 <210> SEQ ID NO: 15
293 <211> LENGTH: 32
294 <212> TYPE: DNA
C--> 295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <223> OTHER INFORMATION: Artificial Sequence: 5'-end primer
301 <400> SEQUENCE: 15
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304 <210> SEQ ID NO: 16
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RAW SEQUENCE LISTING   DATE: 07/05/2002
PATENT APPLICATION: US/09/915,060A   TIME: 14:28:07

Input Set : A:\EP.txt
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      319 <212> TYPE: DNA
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      331 <212> TYPE: DNA
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